Claim PTO

LM 08/13/04

1. A camera system comprising a digital camera, a GPS (Global Positioning System) receiver or the like which serves accurately to identify the position of the digital camera in at least two horizontal dimensions, and a data store for a digital camera image produced, wherein the digital image stored is annotated or labelled with data identifying camera position at the time of image capture.

2. A camera system as claimed in Claim 1, suitable for airborne use, comprising a digital camera, a GPS receiver or the like which serves accurately to identify the position of the digital camera in at least two horizontal co-ordinate dimensions, camera altitude determination means, and a data store for a digital camera image produced, wherein the digital image stored is annotated or labelled with; GPS data identifying camera position at the time of image capture, and; data appertaining to camera altitude above ground at the time of image capture by the digital camera.

3. A camera system as claimed in Claim 2, suitable for airborne use, comprising a digital camera, a GPS receiver or the like which serves accurately to identify the position of the digital camera in at least two horizontal co-ordinate dimensions, a camera attitude determinator which serves to provide data appertaining to camera view angle, in elevation and azimuth, camera altitude determination means, and a data store for a digital camera image produced, wherein the digital image stored is annotated or labelled with; data identifying camera position at the time of image capture; data appertaining to camera attitude in elevation and azimuth at the time of image capture, and;

data appertaining to camera altitude above ground at the time of image capture by the digital camera.

4. (Amended) A system as claimed in Claim 2, wherein the GPS receiver serves to identify the position of the digital camera in three dimensions so as to provide the data appertaining to camera altitude above ground at the time of image capture by the digital camera.

5. (Amended) A system as claimed in Claim 1, wherein the data store comprises a multi-image store with capacity for a plurality of images, each appropriately labelled, which are arranged to be down-loaded as required for subsequent processing.

6. A system as claimed in Claim 5, wherein the multi-image store comprises a storage device for the said plurality of images which is adapted for removal from the camera system.

7. (Amended) A system as claimed in Claim 1, comprising a clock which serves to provide time data for time labelling images produced by the digital camera.

8. (Amended) A system as claimed in Claim1, Claim 2, and substantially as hereinbefore described with reference to the accompanying drawings.

9. (Amended) A cartographic map up-dating system comprising a camera system as claimed in Claim 1, for producing a current digital image, which is scaled as necessary and overlaid on a pre-existing similar map or chart, thereby to up-date it.